

Unit 4 Test Review – EE7, EE8 and EE9

Write the equation from the word sentence.

1) 18 more than a number is 29	
2) 128 less than a number is 452	
3) The product of a number and 6 is 138	

Solve the equations.

4) $12.4 = a + 7.9$	5) $h - 125 = 75$
6) $3x = 42$	7) $12 = 1.5w$
8) $11 = \frac{n}{2.4}$	

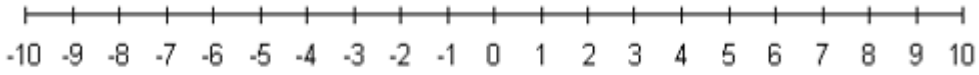
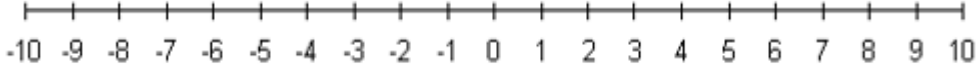
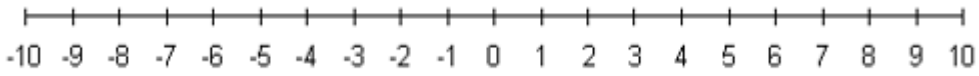
Write an equation from the word problem.

9) A used boat costs \$1500. This is \$2000 less than the cost of a new one. If b is the cost of the new boat, write the equation to find the cost of a new boat.	
10) Kathy borrowed d dollars at no interest to purchase a new car. She wants to repay the loan in 36 equal installments of \$550. Write the equation to help find the amount of money she borrowed.	

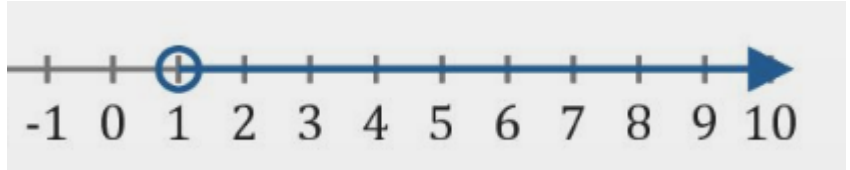
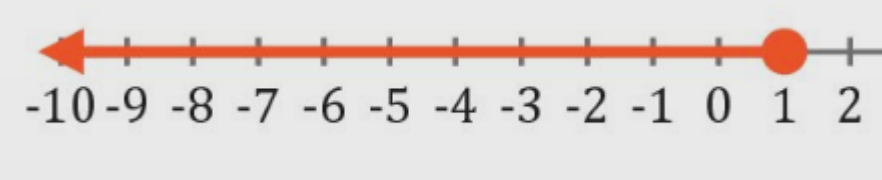
Write the inequality.

11) Matt drove at least 80 miles one way.	
12) Sherry has no more than 50 books on her shelf.	
13) The temperature was under 40°F all day.	
14) You must be more than 10 years of age to enter the room.	

Graph the inequality.

15) $a \geq 3$	
16) $w < 8$	
17) $x \leq 1$	

Write the inequality from the graph.

<p>18)</p> 	
<p>19)</p> 	

Write an equation for the relationship shown in the table and find the missing number.

20) Equation: _____

x	20	40	60	80
y	23	43		83

21) Equation: _____

x	3	4	5	6
y	18	24	30	

Use the equation to complete the table.

22) $y = 6x$

x	5	7	9	11
y				

23) $y = x + 13$

x	20	24	28	32
y				

Word problem:

24) The table below shows how much a restaurant pays for cake. How much will the restaurant pay for 100 slices of cake?

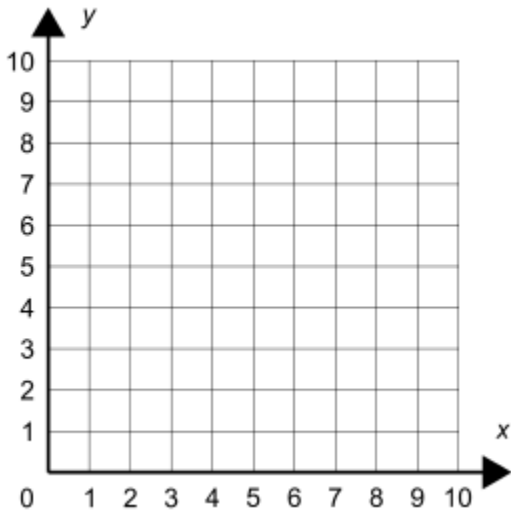
x	22	44	66	88
y	\$110	\$220	\$330	\$440

25) Each bus ride cost \$2.50. The total cost (c) for Sam's bus ride depends on the number of rides (r) he takes. What is the **independent** variable?

Write an equation from the table, find the missing value and then graph the relationship.

26) Equation: _____

x	2	4	6
y	6	8	



27) Equation: _____

x	1	3	5
y	2		10

